WHAT IS CLAIMED IS:

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1.   A computer system, comprising,

a writing instrument that generates ballistic information

5   from a user's handwriting; and

a conversion component that utilizes the ballistic

information to generate line thickness information.

2.   The computer system of claim 1, wherein the writing

10 instrument is a pen.

3.   The computer system of claim 1, wherein the writing

instrument comprises an accelerometer configured to generate

the ballistic information.

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4.   The computer system of claim 3, wherein the

accelerometer generates analog ballistic information, and

wherein the writing instrument comprises an analog-to-digital

converter for converting the analog ballistic information to

20 digital data.

5.   The computer system of claim 4, wherein the

conversion component is located remote from the writing

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instrument, and further comprising transmitting the digital

data to the conversion component.

6. The computer system of claim 5, wherein the digital
data is transmitted via a wireless connection.

7. The computer system of claim 5, wherein the digital
data is transmitted via a hardwired connection.

8. The computer system of claim 3, wherein the
accelerometer is configured to generate tilt information.

9. The computer system of claim 8, wherein the
conversion component generates thickness information based
upon spacing of plots in a map of a plot of the ballistic
information.

10. The computer system of claim 9, wherein the
thickness information is based upon the samples/unit distance
of the plots.

11. The computer system of claim 10, wherein the
thickness information increases a thickness component as the
samples/unit distance increase.

12. The computer system of claim 3, wherein the
conversion component generates thickness information based
upon wavelengths of the ballistic information.

13. The computer system of claim 12, wherein the
thickness information increases a thickness component as the
wavelengths increase.

14. The computer system of claim 1, wherein the
conversion component is located remote from the writing
instrument, and further comprising transmitting the digital
data to the conversion component.

15. The computer system of claim 14, wherein the digital
data is transmitted via a wireless connection.

16. The computer system of claim 14, wherein the digital
data is transmitted via a hardwired connection.

17. The computer system of claim 3, wherein the
ballistic information comprises tilt information.

18.   The computer system of claim 17, wherein the conversion component generates thickness information based upon spacing of plots in a map of a plot of the tilt information.

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19.   The computer system of claim 18, wherein the thickness information is based upon the samples/unit distance of the plots.

10   20.   The computer system of claim 19, wherein the thickness information increases a thickness component as the samples/unit distance increase.

21.   The computer system of claim 1, wherein the
15   ballistic information comprises pulses having wavelengths.

22.   The computer system of claim 21, wherein the thickness information increases a thickness component as the wavelengths increase.

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